PATENT COOPERATION TREATY

PCT

Infoliactual Property RECEIVED 13 APR 2005

INTERNATIONAL SEARCH REPORT

	(PCT Article 18 and Rules 43	and 44)	For		
Applicant's or agent's file reference	FOR FURTHER				
M03B327PCT/ASB	ACTION	as well	see Form PCT/ISA/220 , where applicable, item 5 below.		
International application No.	International filing date (day/mont	h/year)	(Earliest) Priority Date (day/month/year)		
PCT/GB2005/000126	14/01/2005	23/01/2004			
Applicant					
THE BOC GROUP PLC					
This International Search Report has bee according to Article 18. A copy is being to		•	ority and is transmitted to the applicant		
This International Search Report consists	s of a total of 3 sh	eets.			
·	a copy of each prior art document of		report.		
		···	· · · · · · · · · · · · · · · · · · ·		
1. Basis of the report					
	international search was carried outless otherwise indicated under this i		sis of the international application in the		
The international this Authority (Ru		of a transla	ation of the international application furnished to		
b. With regard to any nucle	otide and/or amino acid sequence	disclosed	in the international application, see Box No. I.		
2. Certain claims were fou	ınd unsearchable (See Box II).				
3. Unity of invention is lac	king (see Box III).				
4. With regard to the title,					
	ubmitted by the applicant.				
X the text has been established	shed by this Authority to read as follo	ows:			
SCREW VACUUM PUMP	·				
5 Mith regard to the abotropt					
5. With regard to the abstract,	when the applicant				
	ubmitted by the applicant.	his Authorit	y as it appears in Box No. IV. The applicant		
			ch report, submit comments to this Authority.		
6. With regard to the drawings,		NI- T			
a. the figure of the drawings to be p	·	NO. <u>1</u>			
X as suggested by		منتم المماثم	anot a figure		
	is Authority, because the applicant f	_			
	is Authority, because this figure bett be published with the abstract	ei unaraulei	nzes the miveribuli.		
b none of the figures is to b	be published with the abstract.				

INTERNATIONAL SEARCH REPORT

International Application No. PCT/GB2005/000126

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F04C18/16 F04C25/02 F04D19/04 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) FO4C FO4D C23C FO4B IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category * Citation of document, with indication, where appropriate, of the relevant passages DE 198 20 622 A1 (FRIEDEN, PETER) 1-5,7,8X 11 November 1999 (1999-11-11) figure 1 column 2, line 39 - line 41 column 6, line 36 - line 37 X GB 2 030 227 A (KLAEY E; BEYELER J) 1 - 82 April 1980 (1980-04-02) figure 1 page 1, line 101 - line 109 page 1, line 123 - line 126 X US 5 352 097 A (ITOU ET AL) 1-9 4 October 1994 (1994-10-04) figures 1-3 column 4, line 11 - line 48 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the *O* document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docuother means ments, such combination being obvious to a person skilled in the art. *P* document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 13/04/2005 23 March 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31~70) 340-2040, Tx. 31 651 epo nl. Lequeux, F Fax: (+31-70) 340-3016

2

* 7

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/000126

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 611 863 A (MIYAGI ET AL)	1-18
1	18 March 1997 (1997-03-18)	
	the whole document	
1	WO 2004/007797 A (TOKYO ELECTRON LIMITED;	1-18
	YAMASAKI, HIDEAKI; KAWANO, YUMIKO;	
	YAMAMOTO, N) 22 January 2004 (2004-01-22)	
	abstract	
	figure 3a	
	•	
	·	

200

• 7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2005/000126

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 19820622	A1	11-11-1999	NONE			
GB 2030227	Α	02-04-1980	CH	635403	 A5	31-03-1983
			AR	219187	A1	31-07-1980
			AT	363164	В	10-07-1981
			AT	571279	Α	15-12-1980
			AU	5037079	A	27-03-1980
			BE	878680	A 1	31-12-1979
			BR	7905954	Α	27-05-1980
			CA	1120447	A1	23-03-1982
			DE	2934065	A1	03-04-1980
			DK	390679	A ,B,	21-03-1980
			ES	484284	A1	01-04-1980
			FI	792687	A	21-03-1980
			FR	2436876	A1	18-04-1980
			GR	66587	A1	30-03-1981
			IE	48625	B1	20-03-1985
			IN	153024	A 1	19-05-1984
			IT	1123269	В	30-04-1986
			JP	55043288	Α	27-03-1980
			MX	149042	A	10-08-1983
			NL	7906453		24-03-1980
			NO	792870 <i>i</i>	A ,B,	21-03-1980
			NZ	191394	A	15-02-1983
			PT	70172		01-10-1979
			SE	7907744	A	21-03-1980
			YU	228779	A1	21-01-1983
			ZA 	7904433	A 	27-08-1980
US 5352097	Α	04-10-1994	JP	5195957	Α	06-08-1993
			KR	9609870	B1	24-07-1996
			US	5445502	Α	29-08-1995
US 5611863	Α	18-03-1997	JP	3107275	B2	06-11-2000
			JP	8064578	A	08-03-1996
WO 2004007797	Α	22-01-2004	WO	2004007797	 A1	22-01-2004